





- EU, Horizon 2020
- 24 different partners led by the Alfred Wegener Institute in Potsdam
- APRI institutions
  - Uni Vienna (Forschungsverbund Chemistry Meets Microbiology, Department of Social and Cultural Anthropology, b:geos)
- Duration: 5 years, started on November 1<sup>st</sup> 2017







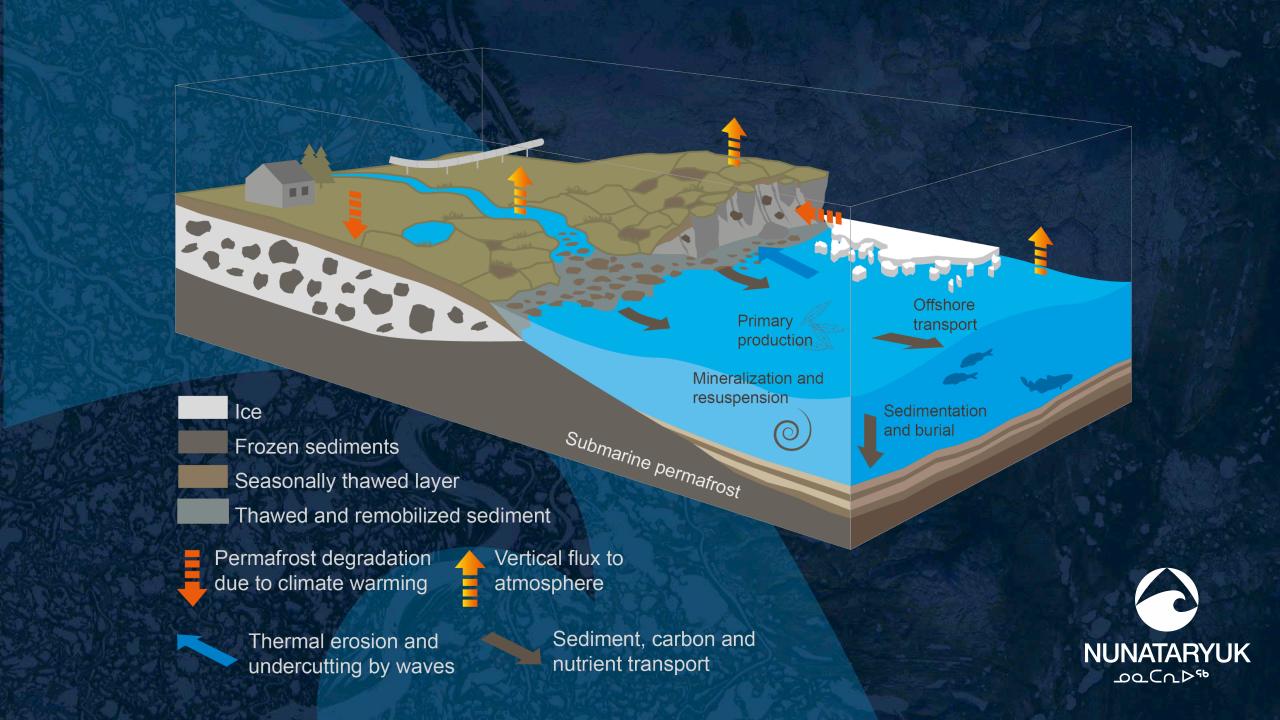


Aim:

"The main goal of Nunataryuk is to determine the impacts of thawing land, coast and subsea permafrost on the global climate and on humans in the Arctic and to develop targeted and co-designed adaptation and mitigation strategies."









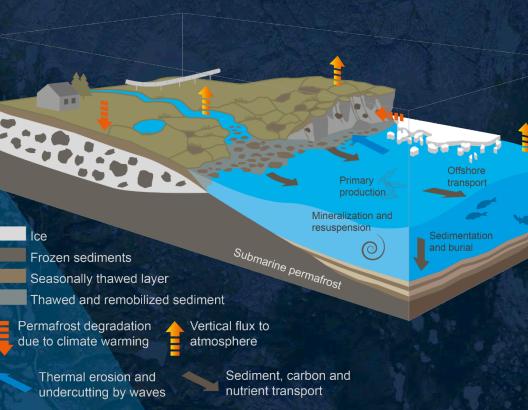
#### B:geos

- Annett Bartsch
- Work Package 1: Terrestrial Permafrost
- Work Package 6: Coastal Infrastructure















WP1 – Terrestrial Permafrost

High to medium resolution satellite data analyses for monitoring of coastal catchments

WP2 – Infrastructure

Medium resolution satellite data to address infrastructure issues



NUNATARYUK



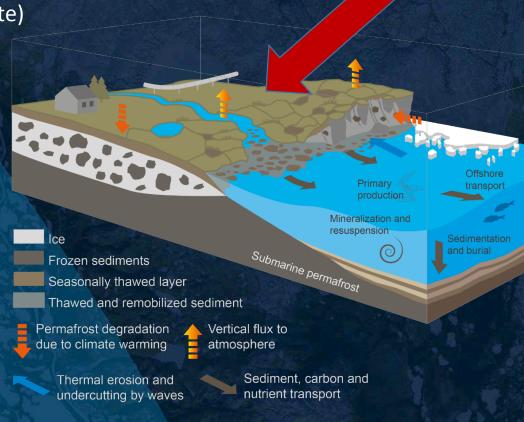
Uni Vienna – Department of Microbiology and Ecosystem Science (DMES)



Andreas Richter (PI in WP1), Victoria Martin (PhD candidate)

Work Package 1: Terrestrial Permafrost









# Uni Vienna – Department of Microbiology and Ecosystem Science (DMES)





- Fieldwork on Herschel Island and Ptarmigan Bay, Yukon Coast
  - Sampling of representative permafrost catchments
  - Sediment and water samling
- Next steps:
  - Analysis of 50-70 samples (pit samples)
  - Further fieldwork in Canada 2019

















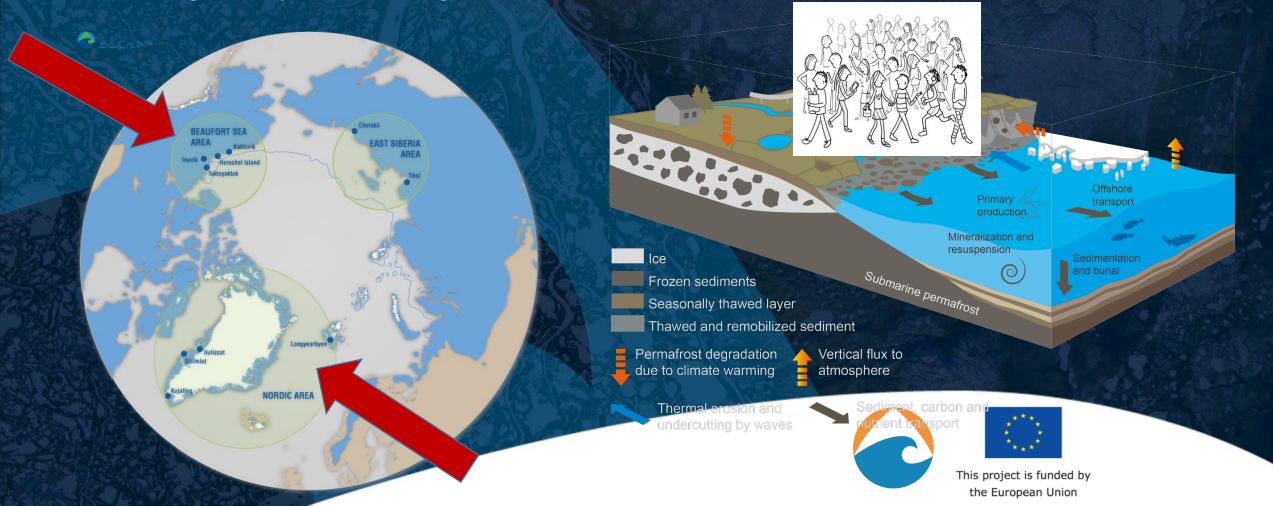




# Uni Vienna – Department of Social and Cultural Anthropology



- Peter Schweitzer (co-lead of WP9), Susana Gartler (Post Doc), Alexandra Meyer (PhD candidate)
- Work Package 9: Adaptation and Mitigation



# Uni Vienna – Department of Social and Cultural Anthropology





- Information and consultation meetings in Longyearbyen (Peter, Alex)
- Indicators
- Next steps
  - Fieldwork in Longyearbyen, Svalbard (Alex)
  - Risk framework development
  - Community consultations in Inuvik and Aklavik (Susa) and Greenland (Peter)





### Thank you for your attention!



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Web: nunataryuk.org

Contact:

Nunataryuk@awi.de